IB Computer Science

Unit 1

System Development

Student_____

Date: _____

The General Systems Design Phase

Objectives

- Define three systems design categories
- Discuss the use of rapid application development (RAD) in general systems design and describe RAD's four key elements.
- Describe the structure-oriented design approach
- Descript the object-oriented design approach
- Compare the structure-oriende design approach with the object oriented design approach.

What are the three levels of sytestem design?

1.

2.

3.

What are the four key elements of Rapid Application Development (to design systems)?

1.

2.

3.

4.

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What is the structure-oriented design approach to general system design?

What is the Object-orientd design approach to general system design?

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SDLC Review

What are the four Font-End phases of the SDLC?

1.

2.

3.

4.

What are the Back-End phases of the SDLC?

1.

2.

3.

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Homework : Follow all of the directions, create a document with the answers to each of these questions. You should do your own work for this exercise.

1) Read the tutorial about CASE Tools, the link is provided on HWMath.net/IBCS.

2) Investigate some of the careers that user CASE Tool. Search a job web site such as www.indeed.com and do a search, in quotes, for "CASE TOOLS"

   a. List some (at least) three job titltes that require experience using CASE tools. You might also note the job salaries.

   b. From the output of the job listings, create a list of (at least) three products that are identified as being CASE Tools. You should be able to find some from Oracle or othter database companies.

3) Read through the reference titled " Computer Aided Software Engineering Tools (CASE)"

   a. Describe the 7 ways that CASE tools are used

   b. Read the product description of TOAD. We will be using mysql in this class. If you feel so inclined, download and install a copy of TOAD.